

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013120\
 Data File : VU036650.D
 Acq On : 31 Jan 2020 18:24
 Operator : JC/MD
 Sample : VSTD01031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Quant Time: Jan 31 23:47:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 23:45:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	288703	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	265266	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114163	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26025	11.33	ug/L	0.00
7) Chloroethane-d5	1.92	69	21136	10.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	40896	11.14	ug/L	0.00
21) 2-Butanone-d5	4.68	46	31537	23.83	ug/L	0.00
24) Chloroform-d	5.11	84	37994	10.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	25827	11.32	ug/L	0.00
32) Benzene-d6	5.77	84	82474	10.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	27075	11.22	ug/L	0.00
41) Toluene-d8	7.93	98	74172	10.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	12154	10.58	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	29091	25.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	37258	10.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	24398	9.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	23395	10.344 ug/L	98
3) Chloromethane	1.54	50	29275	11.949 ug/L	99
5) Vinyl chloride	1.62	62	29303	11.266 ug/L	84
6) Bromomethane	1.85	94	16199	10.792 ug/L	92
8) Chloroethane	1.94	64	18681	12.060 ug/L	91
9) Trichlorofluoromethane	2.15	101	32883	10.900 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	18494	10.021 ug/L	97
12) 1,1-Dichloroethene	2.60	96	19065	10.434 ug/L	96
13) Acetone	2.66	43	30684	24.137 ug/L	99
14) Carbon disulfide	2.82	76	58274	10.564 ug/L	100
15) Methyl Acetate	2.98	43	26564	12.959 ug/L	100
16) Methylene chloride	3.08	84	24670	11.150 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	20503	10.517 ug/L	94
18) Methyl tert-butyl Ether	3.41	73	73484	11.537 ug/L	100
19) 1,1-Dichloroethane	3.92	63	41714	11.717 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	23092	10.414 ug/L	94
22) 2-Butanone	4.76	43	39874	25.516 ug/L	99
23) Bromochloromethane	5.02	128	10650	9.454 ug/L	97
25) Chloroform	5.13	83	38906	10.787 ug/L	99
27) 1,2-Dichloroethane	5.84	62	32684	11.913 ug/L	97
29) Cyclohexane	5.43	56	38105	11.843 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	31818	11.100 ug/L	99
31) Carbon tetrachloride	5.56	117	25552	10.510 ug/L	99
33) Benzene	5.82	78	91398	11.200 ug/L	100
34) Trichloroethene	6.58	95	22052	10.602 ug/L	98
35) Methylcyclohexane	6.80	83	36769	10.507 ug/L	98
37) 1,2-Dichloropropane	6.83	63	25302	12.082 ug/L	100
38) Bromodichloromethane	7.14	83	29242	11.225 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	37968	11.308 ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	74143	26.656 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	98153	11.124	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	33494	11.374	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	22355	10.901	ug/L	97
46) Tetrachloroethene	8.58	164	17658	10.755	ug/L	98
48) 2-Hexanone	8.72	43	55966	26.778	ug/L	99
49) Dibromochloromethane	8.84	129	20841	9.738	ug/L	97
50) 1,2-Dibromoethane	8.95	107	23382	10.654	ug/L	96
51) Chlorobenzene	9.47	112	57508	10.183	ug/L	99
52) Ethylbenzene	9.60	91	104785	10.816	ug/L	99
53) m,p-Xylene	9.72	106	39184	10.490	ug/L	98
54) o-xylene	10.12	106	39182	10.516	ug/L	98
55) Styrene	10.14	104	63565	10.443	ug/L	97
56) Isopropylbenzene	10.51	105	101123	10.638	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	39489	11.080	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	33089	11.772	ug/L	99
61) Bromoform	10.32	173	14770	9.746	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	39160	10.026	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	39595	10.285	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	40537	10.244	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	8578	13.017	ug/L	93
67) 1,3,5-Trichlorobenzene	13.23	180	25210	9.463	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	18769	9.665	ug/L	97
69) Naphthalene	14.10	128	74505	12.337	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	20484	10.212	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

